

VideoGateway

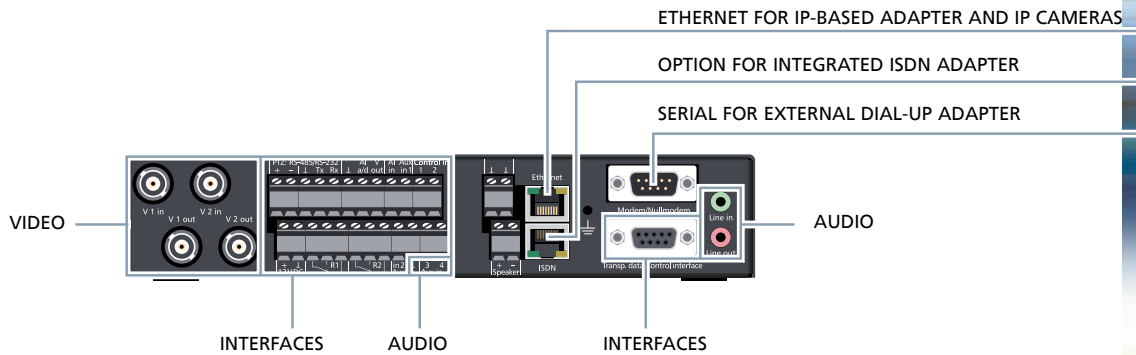
CamServer 2



Digital video transmission system with local long-term recording for 2 analogue- or IP cameras

- Long-term recording onto integrated 500 GB hard disk with adaptive multi-track management for schedule-controlled permanent and motion recording, or contact-triggered event recording
- Real-time video recording
- Free of charge implementation of hybrid functionality for existing transmitters via remote firmware update
- Hybrid functionality with manufacturer-neutral compatibility for analogue and IP cameras
- Individually adjustable image resolutions up to 720 x 288 pixels and megapixel resolution with IP-cameras
- Integrated Multi-Unicast server supporting multiple IP network connections and simultaneous dial-up connections
- Integrated Web server for up to 4 IP connections for video transmission and camera remote control via PC/Smartphone/Handheld browser
- Definition of up to 5 privacy zones per analogue camera with the options live images or live and recorded images
- HTconnect enables unrestricted, but safe access over the Internet to Firewall protected video systems (also with dynamic IP-addresses) in private nets. Additionally HTconnect controls permanently the availability of the entire system from public net over private net to video transmitters
- Camera position authentication and camera specific alarming of video loss with analogue cameras
- Integrated email client for alarming up to two email addresses
- Data transmission via USB interface
- Precise recording of pre and post alarm images, individually adjustable to camera and event
- Event-triggered connections by alarm contact, motion detection (with analogue cameras), serial command, technical alarm, and routine call
- Perfected for alarm verification and conformity with control centre applications
- Integrated interfaces for network, camera remote control, data transmission, and system integration
- Network interfaces in conformity to VdS Germany to integrate within alarm systems based on the "VdS 2465 for Video" protocol
- Extensive remote control functions to control lighting, barriers, alarms, doors, or any relay-controlled devices
- Compact design, suitable for desk and wall mounting
- Multi-criteria evaluation of recordings via IP and/or dial-up connections
- Live video transmission and simultaneous playback and recording (Triplex)
- Optional, bidirectional audio transmission and recording onto integrated hard disk
- Optional camera-selective recording of cash register-/cash machine-/filling station-/access control-/scanner-data, time-synchronised with video recording





Video	
Video standard	CCIR/PAL and EIA/NTSC (analogue), dependant on IP camera (digital)
Video compression	Device internal with HTCompress ¹ (M-JPEG differential compression with adjustable compression factor per camera)
Picture formats	With IP camera dependant on model: standard to megapixel resolution; with analogue cameras: Transmission: 720 x 288, 512 x 256, 256 x 128, 128 x 80 pixels and 16 Bit colour depth, Recording: 720 x 288, 512 x 256 pixels and 16 Bit colour depth
Video inputs	2 x CVBS (BNC), 1 Vpp/75 Ohm with loop through outputs (auto-termination)
Motion Detection ¹	Selectable per camera with adjustable detection zones for alarm transmission and event-triggered recording (HDD)
Video signal monitoring ¹	Video signal monitoring (sync. and picture content) for all cameras
Audio (option)	
General	Optional plugin-module (Audio Card) for bidirectional audio transmission and recording
Audio compression	SPEEX Codec, 16Bit, 80-8000 Hz
Audio inputs	1 x line in (0-2 Vpp, nominal 0.775 Vpp)
Audio output	1 x line out (0-2 Vpp, nominal 0.775 Vpp) and 1 speaker out (1 Watt/8 Ohm)
Transmission, Recording	
General	Video and audio transmission, recording and playback at the same time; online evaluation via local and remote receiver station
Multi-Unicast	Up to 6 IP- or 5 IP- and 1 dial-up connection or 4 IP- and 2 dial-up connections simultaneously
Web server	Up to 4 IP connections via PC, Smartphone, PDA browser (additional to 5 standard connections)
Video transmission of Live and recorded images	Realtime via IP (LAN/WLAN, Internet, DSL, GPRS, HSDPA, CDMA, UMTS, EDGE) and dial-up (PSTN/POTS, ISDN, GSM, HSCSD)
Recording speed	Real-time in total depending on compression mode, image content and Bit rate
Recording media	SATA drive (500 GByte) with adaptive track management
Trigger to initiate transmission/recording	Dry contact, built-in motion detection ¹ , serial command and timer based calendar
Privacy Zones ¹	Up to 5 privacy zones per camera; options for each camera: live or live and recorded images
Recording modes	Image sequence, up to 50,000 events per camera with pre- and post alarm, continuous recording, all modes in conjunction with built-in timer based calendar
Recording interval	Event recording: interval=0-999s and duration=1-999s separately adjustable for pre- and post alarm; continuous recording: interval=0-999s timer controlled (event optimised recording possible) (value "0" = as fast as possible)
Callback	Automatic callback to pre-programmed receiver stations with CamControl software
Remote access and evaluation	
General features	Remote access to live images, recorded images and remote setup-/maintenance and recording via receiver software

Search criterias	Site list and camera selection with support camera, time, date, event (contact, motion ¹) and graphical analysis of event and permanent recordings
Motion Search ¹	In online mode considering camera, detection zones, sensitivity and date/time
Reference images	Transmitter list and camera selection supported by object specific reference images
Access protection	Multiple password levels and sophisticated user management
Interfaces	
LAN interface	10/100 MBit/s built-in network adapter, RJ45 connector, DHCP, auto detection within LAN
Internal ISDN adapter	Optional ISDN plug-in-module (1 B-Channel), RJ45 connector
External dial-up adapters	PSTN/POTS-, ISDN-, GSM-, HSCSD-adapters via RS-232 interface (9 pin Sub-D)
PTZ Control	Via onboard RS-232/485 (422) interface (screw/clamp)
Transparent data channel/control interface	Via onboard RS-232 interface (9 pin Sub-D)
Alarm inputs	2 alarm inputs (camera related), 1 general alarm input, 1 arm/disarm and 1 tamper input (all on screw terminals)
Control outputs	2 relays- system error and/or remote control purposes (changeover contact on screw/clamp scrimp), max. 30V DC/1 A, 60V DC/0.3 A, 125V AC/0.5 A
General	
Operating system/system design	Embedded Linux/dedicated hardware (no PC)
Display element	Status LED
Set-up and Firmware update	Via local and/or remote receiver station via IP (LAN, Internet, DSL) and dial-up connections (PSTN/POTS, ISDN, GSM, HSCSD, UMTS/3G)
Logging	Transmitter-side event logging of essential basic functionalities and device status
Power supply	External switched power supply, 100-240V AC, 50/60 Hz, 12V DC at max. 4 A, 42 W
Power consumption (12 V DC)	10.8 W
Ambient temperature	+5°C...+45°C (+41°F...+113°F)
Housing/Enclosure	Desktop and wall mounting: 221 x 44 x 270 mm (WxHxD)
Weight	1.5 kg with hard disks
Protection class	IP 30 according to IEC 60529, DIN EN 60529
Approvals	CE (EN 61000-6-3, EN 55022, Kl.B, EN 61000-3-2, EN 61000-3-3, EN 61000-6-2, EN 61000-4-2, -3, -4, -5, -6, EN 50204, EN 50130-4), FIDUCIA (starting from CamControl LITE 3.90)
Options	ISDN Card, PSTN Card, Audio Card, dial-up adapters, 19" Mount Kit (1 RU), CamMount Kit
Warranty	24 months

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